

Title (en)
AN AIR-GAS MIXTURE BURNING APPLIANCE WITH A GAS GOVERNOR

Title (de)
LUFT-GAS-GEMISCH-VERBRENNUNGSVORRICHTUNG MIT EINEM GASREGLER

Title (fr)
APPAREIL DE COMBUSTION DE MÉLANGE DOTÉ D'UN RÉGULATEUR DE GAZ

Publication
EP 3974720 A1 20220330 (EN)

Application
EP 21193437 A 20210827

Priority
GB 202015055 A 20200923

Abstract (en)
In an air-gas mixture burning appliance (100) that comprises an air-gas mixing unit (110) with a plurality of air-gas mixers (118), an air supply (112) that is connected to the air-gas mixing unit and comprises a common air way (412) for supply of air to the plurality of air-gas mixers, and a gas governor (410) that is adapted to control supply of gas to the plurality of air-gas mixers dependant on an air pressure signal (430) that is indicative of a static air pressure in the common air way (412), the plurality of air-gas mixers (118) is at least partially surrounded by a slot (210) which encompasses at least partially the common air way (412), and the slot (210) is connected to the gas governor (410) via an air pressure signal port (230) which is configured to provide the air pressure signal (430) from the slot to the gas governor.

IPC 8 full level
F23N 1/00 (2006.01); **F23C 5/08** (2006.01); **F23D 14/02** (2006.01); **F23D 14/36** (2006.01); **F23D 14/64** (2006.01); **F23K 5/00** (2006.01); **F23N 1/02** (2006.01)

CPC (source: EP GB)
F23D 14/02 (2013.01 - EP GB); **F23D 14/36** (2013.01 - EP); **F23D 14/62** (2013.01 - GB); **F23D 14/64** (2013.01 - EP); **F23D 23/00** (2013.01 - GB); **F23K 5/005** (2013.01 - EP); **F23N 1/00** (2013.01 - EP GB); **F23N 1/02** (2013.01 - EP); **F23N 5/00** (2013.01 - GB); **F23C 2900/9901** (2013.01 - EP); **F23D 2203/007** (2013.01 - EP); **F23D 2900/14641** (2013.01 - EP); **F23D 2900/31019** (2021.05 - EP); **F23K 2400/201** (2020.05 - EP); **F23N 2225/04** (2020.01 - EP GB); **F23N 2233/08** (2020.01 - EP); **F23N 2237/02** (2020.01 - GB)

Citation (search report)
• [XA] JP 2019203657 A 20191128 - PALOMA LTD
• [A] EP 3268668 A2 20180117 - TRE P ENG S R L [IT]
• [A] CN 2434553 Y 20010613 - TIANXING ELECTROMECHANIAL EQUI [CN]
• [A] CN 107676981 A 20180209 - WUHU MINGREN THERMAL ENERGY EQUIPMENT CO LTD

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3974720 A1 20220330; **EP 3974720 B1 20230726**; GB 202015055 D0 20201104; GB 2599629 A 20220413

DOCDB simple family (application)
EP 21193437 A 20210827; GB 202015055 A 20200923